

IN THE CLAIMS

Please amend the claims as follows:

1. (Current Amended) Data transmission method in a radio communication network comprising:

- at least one base station (101); and
- at least one equipment (102) adapted to individually and periodically ~~transmitting~~ transmit binary information on an up radio channel (TPC), to at least one of the said base stations called the first base station,

~~characterised in that the said radio channel carries~~
wherein the method comprises:

- transmitting first information (501, 521, 531) ~~through the radio channel~~ for controlling the transmission power output from the said first base station; and
- transmitting second information (511) ~~through the radio channel~~ intended for a purpose other than controlling the power from the said first base station.

2. (Currently Amended) Method according to claim 1, ~~characterised in that~~ wherein the said first base station manages at least one mobile telecommunication network cell (100).

3. (Currently Amended) Method according to either of claims 1 and 2 claim 1, ~~characterised in that~~ wherein the said first base station sends at least part of the said received second information to communication equipment (111) capable of transmitting data to the said equipment, and ~~in that~~ wherein the said communication equipment processes the said at least part of the said second information.

4. (Currently Amended) Method according to claim 3, ~~characterised in that~~ wherein when the said communication

equipment is in communication with the said terminal equipment, it adjusts the radio transmission power used to send data to the said equipment as a function of the result of the said processing.

5. (Currently Amended) Method according to ~~either of claims 3 and 4~~ claim 3, characterised in that wherein the said communication equipment communicates with the said equipment on a single directional channel ~~(123)~~ used to transmit data from the said communication equipment to the said terminal equipment.

6. (Currently Amended) Method according to ~~any one of claims 3 to 5~~ claim 3, characterised in that wherein the said communication equipment is adapted to sending data using a multiple carrier modulation (OFDM).

7. (Currently Amended) Method according to ~~any one of claims 3 to 6~~ claim 3, characterised in that wherein the said communication equipment supports communications according to a protocol compatible with the HIPERLAN/2 standard and / or the IEEE 802.11 standard.

8. (Currently Amended) Method according to ~~any one of claims 3 to 7~~ claim 3, characterised in that wherein the said equipment is a base station ~~(111)~~ separate from the said first base station ~~(101)~~.

9. (Currently Amended) Method according to ~~any one of claims 3 to 7~~ claim 3, characterised in that wherein the said equipment is a terminal equipment.

10. (Currently Amended) Method according to ~~any one of claims 1 to 9~~ claim 1, characterised in that wherein the said other end purpose is to control the transmission power output from a base station separate from the said first base station.

11. (Currently Amended) Method according to ~~any one of claims 1 to 10~~claim 1, characterised in that wherein the said other end purpose includes acknowledgement of data transmitted by a base station to the said equipment on a radio channel, the said acknowledgement indicating whether or not data were correctly received by the said equipment.

12. (Currently Amended) Method according to ~~any one of claims 1 to 11~~claim 1, characterised in that wherein the said other end purpose is one of the end purposes in the following group selected from the group consisting of:

- data transmissions to a base station distinct from the said first base station;
- management of time slaving between a base station and the said equipment;
- management of frequency slaving between a base station and the said equipment; and
- control of the data flow sent to and / or from the said equipment.

13. (Currently Amended) Method according to ~~any one of claims 1 to 12~~claim 1, characterised in that the bit position positions of the said first and second information is are predetermined.

14. (Currently Amended) Method according to ~~any one of claims 1 to 13~~claim 1, characterised in that the bit position position of the said first and second information is are determined dynamically.

15. (Currently Amended) Method according to ~~any one of claims 1 to 14~~claim 1, characterised in that wherein the said second information represents not more than 10% of the said elementary information.

16. (Currently Amended) Method according to claim 15, characterised in that wherein the said second information represents not more than 1% of the said elementary binary information.

17. (Currently Amended) Equipment adapted to individually and periodically ~~transmitting~~ transmit binary information on an up radio channel (TPC) to a base station called the first base station in a radio communication network, wherein the equipment is adapted to:

~~characterised in that it includes methods of distinguishing distinguish and inserting insert the said following elementary items of information, including:~~

- first information for controlling the transmission power output from the said first base station; and
- second information to be used for a purpose other than the said control of the power output from the said first base station.

18. (Currently Amended) A Base base station in a cellular network, adapted to periodically ~~receiving~~ receive binary information on an up radio channel (TPC) in isolation, from equipment, wherein the base station is adapted to distinguish characterised in that it includes methods of distinguishing and extracting extract the said following elementary items of information, including:

- first information for controlling the transmission power output from the said first base station; and
- second information to be used for an end purpose other than controlling the power output from the said first base station.

19. Cancelled

20. (Currently Amended) A Signal signal sent by one equipment to a base station in a radio communication network and

carrying binary information individually and periodically transmitted by the said equipment to the said base station, on an up radio channel (TPC), ~~characterised in that~~ wherein the said binary information includes:

- first information for controlling the transmission power output from the said base station; and
- second information intended for a purpose other than said control of the power from the said base station.